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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/817,468	04/02/2004	Marc Piazza	S1022.80888US01	3191
7:	590 10/15/2004		EXAMINER	
James H. Morris			NHU, DAVID	
Wolf, Greenfie Federal Reserve	ld & Sacks, P.C.		ART UNIT	PAPER NUMBER
600 Atlantic Av	• • • • • • • • • • • • • • • • • • • •		2818	
Boston, MA	02210		DATE MAILED: 10/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	•
Office Action Summan	10/817,468	PIAZZA ET AL.	
Office Action Summary	Examiner	Art Unit	
	David Nhu	2818	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a eply within the statutory minimum of thind will apply and will expire SIX (6) MOI ute, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on <u>02</u> This action is FINAL. Since this application is in condition for allow closed in accordance with the practice under 	nis action is non-final. vance except for formal mat		
Disposition of Claims			
 4) Claim(s) 1-19 is/are pending in the application 4a) Of the above claim(s) 10-13 is/are withdrest. 5) Claim(s) is/are allowed. 6) Claim(s) 1-9 and 14-19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and 	awn from consideration.	·	
Application Papers			
9)☐ The specification is objected to by the Exami	ner.		
10) ☐ The drawing(s) filed on is/are: a) ☐ a			
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	,).
Priority under 35 U.S.C. § 119			
a) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority docume 2. ☐ Certified copies of the priority docume 3. ☐ Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a lie	ents have been received. ents have been received in A riority documents have beer eau (PCT Rule 17.2(a)).	Application No. <u>10/255,392</u> . received in this National Stage	
		air D	
Attachment(s)		-	,
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>01</u>. 	Paper No	Summary (PTO-413) s)/Mail Date Informal Patent Application (PTO-152)	

DETAILED ACTIONS

Claims Objection

1. Claims 1-9, 14-19, "the strips" should be –the parallel strips— "the semiconductor layer" should be –the single crystal semiconductor layer— "the first trench, the second trench, the first and second trenches" should be — the first parallel trench, the second parallel trench, the first and second parallel trenches— "the first conductive line, the second conductive line" should be — the first parallel conductive line, the second parallel conductive line—

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 3. Claims 2, 7, 8, 9,18, 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- Claim 2, "the structure, the first substrate" lack a clear antecedent basis.
- Claim 7, "the peripheral semiconductor" lacks a clear antecedent basis.
- Claims 8, 9, 18, 19 "the bottom, the walls, the portions, the surface, the entire structure" lack a clear antecedent basis.

Conclusion

4. A shortened statutory period for response to this action is set to expired 3 (three) months and 0 (zero) day from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned (see 710.02 (b)).

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Art Unit: 2818

reached on (571)272-1787.

5. Any inquiry concerning this communication on earlier communications from the examiner should be directed to David Nhu, (571)272-1792. The examiner can normally be reached on Monday-Friday from 7:30 AM to 5:00 PM. The examiner's supervisor, David Nelms can be

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The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956

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David Nhu

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October 14, 2004